

WHAT IS CLAIMED IS:

1. Ink for ink-jet recording containing an oil soluble dye, a humectant, a penetrant, water, and an amphiphilic star block polymer of which the outer portion is hydrophilic, the surface tension of the ink at 25°C being in a range of 20 to 50 mN/m.

2. The ink of Claim 1, wherein the viscosity at 25°C is in a range of 1 to 10 mPa · s.

3. An ink cartridge including ink for ink-jet recording, the ink containing an oil soluble dye, a humectant, a penetrant, water, and an amphiphilic star block polymer of which the outer portion is hydrophilic, the surface tension of the ink at 25°C being in a range of 20 to 50 mN/m.

4. A recording apparatus including ink for ink-jet recording, the ink containing an oil soluble dye, a humectant, a penetrant, water, and an amphiphilic star block polymer of which the outer portion is hydrophilic, the surface tension of the ink at 25°C being in a range of 20 to 50 mN/m,

wherein recording is performed by jetting the ink onto a recording medium.

5. Ink for ink-jet recording containing an oil soluble dye, a humectant, a penetrant, water, and an amphiphilic heteroarm star polymer, the surface tension of the ink at 25°C being in a range of 20 to 50 mN/m.

6. The ink of Claim 5, wherein the viscosity at 25°C is

in a range of 1 to 10 mPa·s.

7. An ink cartridge including ink for ink-jet recording, the ink containing an oil soluble dye, a humectant, a penetrant, water, and an amphiphilic heteroarm star polymer, the
5 surface tension of the ink at 25°C being in a range of 20 to 50 mN/m.

8. A recording apparatus including ink for ink-jet recording, the ink containing an oil soluble dye, a humectant, a penetrant, water, and an amphiphilic heteroarm star polymer, the surface tension of the ink at 25°C being in a range
10 of 20 to 50 mN/m,

wherein recording is performed by jetting the ink onto a recording medium.